

ABSTRACT OF THE DISCLOSURE

The present invention is directed to a miniature hard disc drive having a metal base plate, an actuator assembly wherein the actuator assembly comprises a plurality of bearings, a shaft, and a housing; a spindle motor assembly comprising a stator with conductors, a shaft, a plurality of bearings, and a rotor; and a monolithic body of phase change material unitizing said actuator assembly housing and stator to the base plate. Methods of developing and constructing the hard disc drive are also disclosed.

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